# HD34-24-31PT-059 ✔ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

TE Internal #: HD34-24-31PT-059

12 V / 24 V, 31 Position, Automotive Housing for Male Terminals, Wire-to-Panel, Sealable, Wire & Cable, Power, Panel Mount, Hybrid

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Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH HD30 Housings



Nominal Voltage Architecture: **12 V, 24 V**

Connector & Housing Type: **Housing for Male Terminals**

Number of Positions: **31**

Sealable: **Yes**

Operating Temperature Range: **-55 – 125 °C [ -67 – 257 °F ]**

All DEUTSCH HD30 Housings (358)

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | No |
| Connector Shape | Circular |
| Connector & Housing Type | Housing for Male Terminals |
| Sealable | Yes |
| Primary Locking Feature | Integrated in Housing |
| Connector System | Wire-to-Panel |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Blank Cavity Position | 0 |
| Connector Modification | Cable Clamp |
| Connector Seal Code | T Seal |
| Number of Positions | 31 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 250 VDC |
| Nominal Voltage Architecture | 12 V, 24 V |

### Body Features

| | |
|---|---|
| Cable Exit Angle | 180° |

## Contact Features

| | |
|---|---|
| Contact Size | Size 16 |
| Contact Type | Pin |
| Mating Pin Diameter | 1.6 mm[.063 in] |
| Contact Current Rating (Max) | 13 A |

## Mechanical Attachment

| | |
|---|---|
| Strain Relief | With |
| Terminal Position Assurance | No |
| Mating Alignment Type | Polarizing Slot |
| Mating Alignment | Without |
| Connector Mounting Type | Panel Mount |

## Housing Features

| | |
|---|---|
| Housing Material | Aluminum Alloy |

## Dimensions

| | |
|---|---|
| Compatible Insulation Diameter Range | 1.4 – 3.8 mm[.055 – .15 in] |
| Product Width | 47.6 mm[1.87 in] |
| Product Length | 50.8 mm[2 in] |
| Connector Height | 84.3 mm[3.32 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |
| Operating Temperature (Max) | 125 °C[257 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Industry Standards

| | |
|---|---|
| IP Rating | IP67 |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 1 |
| Packaging Method | Package |

## Other

| | |
|---|---|
| Serviceable | Yes |

| | |
|---|---|
| Connector Position Assurance Capable | No |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Decamethylcyclopentasiloxane (D5) (.5% in Component Part)<br>Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)<br>Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)<br>**Article Safe Usage Statements:**<br>Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not reviewed for solder process capability |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

## Compatible Parts



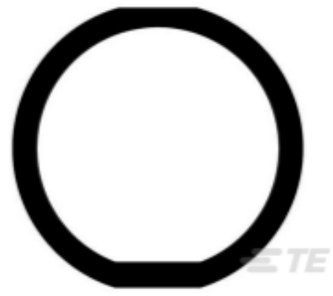
TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # CAT-H3930-RC8382
Receptacle Protective Caps - DEUTSCH HD30



TE Part # CAT-H3930-M8649
Mounting Hardware for DEUTSCH HD30 Connectors



TE Part # 16-04477
GASKET, 24SZ, BLK, HD30



TE Part # 114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part # CAT-D48-SFT273
DEUTSCH Stamped and Formed Contacts

TE Part # 62036-40
62036 HDP24 FLANGE-SEAL silicone 60shore



TE Part # CAT-H3930-CH8172
DEUTSCH HD30 Housings

## Also in the Series | DEUTSCH HD



Automotive Connector Caps & Covers (10)



Automotive Housings(453)

## Also in the Series | DEUTSCH HD30



Automotive Housings(453)



Automotive Seals & Cavity Plugs(11)



Connector Strain Relief(6)



Other Automotive Connector Accessories(12)

## Customers Also Bought



TE Part #DT04-12PB-BL04
REC, 12P, BLK, N, ENH KEY, FLANGE, B



TE Part #CAT-H3930-CH8172
DEUTSCH HD30 Housings



TE Part #42933-2
RING TERMINAL 20-16 AWG TPBR



TE Part #60641-1
250 FASTON FLAG REC 18-12 AWG BR

## Documents

### Product Drawings

REC,31P,AL,T, CBL CLMP BT, DRAIN,16,P,MC

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HD34-24-31PT-059_99_c-hd34-24-31pt-059-99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HD34-24-31PT-059_99_c-hd34-24-31pt-059-99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HD34-24-31PT-059_99_c-hd34-24-31pt-059-99.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Datasheets & Catalog Pages

DEUTSCH HD30 & HDP20 CONNECTOR SERIES

English

CONNECTOR SELECTOR

English

### Product Specifications

Application Specification

English